

# DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: *MEN1*, THE GENE ASSOCIATED WITH MULTIPLE ENDOCRINE NEOPLASIA TYPE 1, MENIN POLYPEPTIDES AND USES THEREOF the specification of which    is attached hereto or X was filed on September 3, 1999 as a U.S. National Phase of PCT/US98/04258, received U.S. serial No. 09/380,337, and was amended on                      (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

## Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes No
			Yes No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/040,269	March 5, 1997

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
		Patented Pending Abandoned
		Patented Pending Abandoned
		Patented Pending Abandoned

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) of the Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Office of Technology Transfer, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Robert Benson, Reg. No. 33,612  
Steven M. Ferguson, Reg. No. 38,448  
James C. Haight, Reg. No. 25,588  
John P. Kim, Reg. No. 38,514

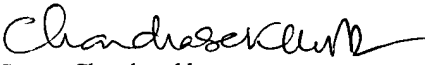
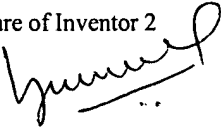
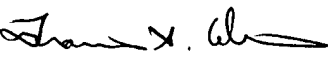
Susan S. Rucker, Reg. No. 35,762  
David R. Sadowski, Reg. No. 32,808  
Jack Spiegel, Reg. No. 34,477

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Full Name of Inventor 6	Last Name <b>DEBELENKO</b>	First Name Larisa	Middle Name or Initial V.	
Residence & Citizenship	City New York	State/Foreign Country NY	Country of Citizenship	
Post Office Address	Post Office Address 100 Haven Ave. Apt. 8F	City New York	State/Country NY	Zip Code 10032
Full Name of Inventor 7	Last Name <b>LUBENSKY</b>	First Name Irina	Middle Name or Initial A.	
Residence & Citizenship	City Silver Spring	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 1551 Hugo Circle	City Silver Spring	State/Country MD	Zip Code 20906
Full Name of Inventor 8	Last Name <b>LIOTTA</b>	First Name Lance	Middle Name or Initial A.	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 8601 Bradley Blvd.	City Bethesda	State/Country MD	Zip Code 20817
Full Name of Inventor 9	Last Name <b>AGARWAL</b>	First Name Sunita	Middle Name or Initial K.	
Residence & Citizenship	City Gaithersburg	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 409 Midsummer Dr.	City Gaithersburg	State/Country MD	Zip Code 20878
Full Name of Inventor 10	Last Name <b>SPIEGEL</b>	First Name Allen	Middle Name or Initial M.	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 7908 Radnor Road	City Bethesda	State/Country MD	Zip Code 20817
Full Name of Inventor 11	Last Name <b>BURNS</b>	First Name A.	Middle Name or Initial Lee	
Residence & Citizenship	City Rockville	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 16632 Lescot Ter.	City Rockville	State/Country MD	Zip Code 20853
Full Name of Inventor 12	Last Name <b>MARX</b>	First Name Stephen	Middle Name or Initial J.	
Residence & Citizenship	City Chevy Chase	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 5402 Trent St.	City Chevy Chase	State/Country MD	Zip Code 20815

Full Name of Inventor 12	Last Name <b>ZHUANG</b>	First Name Zhengping	Middle Name or Initial	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 9904 Pomona Dr.	City Bethesda	State/Country MD	Zip Code 20892

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18 of the United States Code, Section 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Settara Chandrasekharappa Date 02/23/00	Signature of Inventor 2  Siradanahalle Guru Date 02/23/00	Signature of Inventor 3  Pachiappan Manickam Date
Signature of Inventor 4  Francis S. Collins Date 2/23/00	Signature of Inventor 5  Michael R. Emmert-Buck Date	Signature of Inventor 6  Larisa V. Debelenko Date
Signature of Inventor 7  Inna A. Lubensky Date	Signature of Inventor 8  Lance A. Liotta Date	Signature of Inventor 9  Sunita K. Agarwal Date
Signature of Inventor 10  Allen M. Spiegel Date	Signature of Inventor 11  A. Lee Burns Date	Signature of Inventor 12  Stephen J. Marx Date
Signature of Inventor 13  Zhengping Zhuang	Signature of Inventor 14	Signature of Inventor 15

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#### Prior Foreign Application(s)

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			Yes      No

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Application No.	Filing Date
60/040,269	March 5, 1997

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
		Patented      Pending      Abandoned
		Patented      Pending      Abandoned
		Patented      Pending      Abandoned

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) of the Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Office of Technology Transfer, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Robert Benson, Reg. No. 33,612  
Steven M. Ferguson, Reg. No. 38,448  
James C. Haight, Reg. No. 25,588  
John P. Kim, Reg. No. 38,514

Susan S. Rucker, Reg. No. 35,762  
David R. Sadowski, Reg. No. 32,808  
Jack Spiegel, Reg. No. 34,477

Send Correspondence to Appointed Associate Attorney or Agent Address: <u>Kenneth A. Weber</u> <b>TOWNSEND and TOWNSEND and CREW LLP</b> <u>Two Embarcadero Center, 8th Floor</u> <u>San Francisco, CA 94111-3834</u>	Direct Telephone Calls and Facsimiles to Appointed Associate Attorney or Agent:  <b>Name:</b> Kenneth A. Weber <b>Reg. No.</b> 31,677 <b>Telephone:</b> 415-576-0200 <b>Fax:</b> 415-576-0300
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Full Name of Inventor 1	Last Name <u>1-00</u> <b>CHANDRASEKHARAPPA</b>	First Name <u>Settara</u>	Middle Name or Initial	
Residence & Citizenship	City <u>MD</u> <u>Gaithersburg</u>	State/Foreign Country MD	Country of Citizenship IN	
Post Office Address	Post Office Address 8417 Mountain Laurel Lane	City Gaithersburg	State/Country MD	Zip Code 20879-1555
Full Name of Inventor 2	Last Name <u>2-00</u> <b>GURU</b>	First Name <u>Siradanahalli</u>	Middle Name or Initial	
Residence & Citizenship	City <u>MD</u> <u>Bethesda</u>	State/Foreign Country MD	Country of Citizenship <u>hmm</u> IN <u>2/22/00</u>	
Post Office Address	Post Office Address 3 Pooks Hill Road, Apt. #105	City Bethesda	State/Country MD	Zip Code 20814
Full Name of Inventor 3	Last Name <b>MANICKAM</b>	First Name Pachiappan	Middle Name or Initial	
Residence & Citizenship	City Huntsville	State/Foreign Country AL	Country of Citizenship	
Post Office Address	Post Office Address Waterford Square Apartments, 400 Breckenridge Drive, Apt. #3	City Huntsville	State/Country AL	Zip Code 35801
Full Name of Inventor 4	Last Name <u>4-00</u> <b>COLLINS</b>	First Name <u>Francis</u>	Middle Name or Initial S.	
Residence & Citizenship	City <u>MD</u> <u>Rockville</u>	State/Foreign Country MD	Country of Citizenship <u>J. Coll</u> USA <u>2/23/00</u>	
Post Office Address	Post Office Address 5908 Tudor Lane	City Rockville	State/Country MD	Zip Code 20852
Full Name of Inventor 5	Last Name <b>EMMERT-BUCK</b>	First Name Michael	Middle Name or Initial R.	
Residence & Citizenship	City Silver Spring	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 13620 Cedar Creek Lane	City Silver Spring	State/Country MD	Zip Code 20904

Send Correspondence to Appointed Associate Attorney or Agent Address: Kenneth A. Weber <b>TOWNSEND and TOWNSEND and CREW LLP</b> <b>Two Embarcadero Center, 8th Floor</b> <b>San Francisco, CA 94111-3834</b>	Direct Telephone Calls and Facsimiles to Appointed Associate Attorney or Agent:  <b>Name: Kenneth A. Weber</b> <b>Reg. No. 31,677</b> <b>Telephone: 415-576-0200</b> <b>Fax: 415-576-0300</b>
---	--

Full Name of Inventor 1	Last Name <b>CHANDRASEKHARAPPA</b>	First Name Settara	Middle Name or Initial	
Residence & Citizenship	City Gaithersburg	State/Foreign Country MD	Country of Citizenship IN	
Post Office Address	Post Office Address 8417 Mountain Laurel Lane	City Gaithersburg	State/Country MD	Zip Code 20879-1555
Full Name of Inventor 2	Last Name <b>GURU</b>	First Name Siradanahalli	Middle Name or Initial	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 3 Pooks Hill Road, Apt. #105	City Bethesda	State/Country MD	Zip Code 20814
Full Name of Inventor 3	Last Name <b>MANICKAM</b>	First Name <u>Pachiappan</u>	Middle Name or Initial	
Residence & Citizenship	City <u>Huntsville</u> <i>AL</i>	State/Foreign Country AL	Country of Citizenship <i>INDIA</i>	
Post Office Address	Post Office Address Waterford Square Apartments, 400 Breckenridge Drive, Apt. #3	City Huntsville	State/Country AL	Zip Code 35801
Full Name of Inventor 4	Last Name <b>COLLINS</b>	First Name Francis	Middle Name or Initial S.	
Residence & Citizenship	City Rockville	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 5908 Tudor Lane	City Rockville	State/Country MD	Zip Code 20852
Full Name of Inventor 5	Last Name <b>EMMERT-BUCK</b>	First Name Michael	Middle Name or Initial R.	
Residence & Citizenship	City Silver Spring	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 13620 Cedar Creek Lane	City Silver Spring	State/Country MD	Zip Code 20904

*Rm*  
*02/07/00*

Attorney Docket No. 015280-315100US  
DHHS Ref No. E-094-97/0

Send Correspondence to Appointed Associate Attorney or Agent Address: Kenneth A. Weber <b>TOWNSEND and TOWNSEND and CREW LLP</b> Two Embarcadero Center, 8th Floor San Francisco, CA 94111-3834	Direct Telephone Calls and Facsimiles to Appointed Associate Attorney or Agent:  Name: Kenneth A. Weber Reg. No. 31,677 Telephone: 415-576-0200 Fax: 415-576-0300
--	--

Full Name of Inventor 1	Last Name <b>CHANDRASEKHARAPPA</b>	First Name Sethara	Middle Name or Initial	
Residence & Citizenship	City Gaithersburg	State/Foreign Country MD	Country of Citizenship IN	
Post Office Address	Post Office Address 8417 Mountain Laurel Lane	City Gaithersburg	State/Country MD	Zip Code 20879-1555
Full Name of Inventor 2	Last Name <b>GURU</b>	First Name Siradanahalli	Middle Name or Initial	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 3 Pooks Hill Road, Apt. #105	City Bethesda	State/Country MD	Zip Code 20814
Full Name of Inventor 3	Last Name <b>MANICKAM</b>	First Name Pachiappan	Middle Name or Initial	
Residence & Citizenship	City Huntsville	State/Foreign Country AL	Country of Citizenship	
Post Office Address	Post Office Address Waterford Square Apartments, 400 Breckenridge Drive, Apt. #3	City Huntsville	State/Country AL	Zip Code 35801
Full Name of Inventor 4	Last Name <b>COLLINS</b>	First Name Francis	Middle Name or Initial S.	
Residence & Citizenship	City Rockville	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 5908 Tudor Lane	City Rockville	State/Country MD	Zip Code 20852
Full Name of Inventor 5	Last Name <b>EMMERT-BUCK</b>	First Name Michael	Middle Name or Initial R.	
Residence & Citizenship	City Silver Spring	State/Foreign Country MD	Country of Citizenship U.S.A. <i>Emmert-Buck</i> X	
Post Office Address	Post Office Address 13620 Cedar Creek Lane	City Silver Spring	State/Country MD	Zip Code 20904

Attorney Docket No. 015280-315100US  
DHHS Ref No. E-094-97/0

Full Name of Inventor 6	Last Name <b>DEBELENKO</b>	First Name <b>Larisa</b>	Middle Name or Initial <b>V.</b>	
Residence & Citizenship	City <b>New York</b>	State/Foreign Country <b>NY</b>	Country of Citizenship <b>UKRAINE</b>	
Post Office Address	Post Office Address <b>100 Haven Ave. Apt. 8F</b>	City <b>New York</b>	State/Country <b>NY</b>	Zip Code <b>10032</b>
Full Name of Inventor 7	Last Name <b>LUBENSKY</b>	First Name <b>Irina</b>	Middle Name or Initial <b>A.</b>	
Residence & Citizenship	City <b>Silver Spring</b>	State/Foreign Country <b>MD</b>	Country of Citizenship	
Post Office Address	Post Office Address <b>1551 Hugo Circle</b>	City <b>Silver Spring</b>	State/Country <b>MD</b>	Zip Code <b>20906</b>
Full Name of Inventor 8	Last Name <b>LIOTTA</b>	First Name <b>Lance</b>	Middle Name or Initial <b>A.</b>	
Residence & Citizenship	City <b>Bethesda</b>	State/Foreign Country <b>MD</b>	Country of Citizenship	
Post Office Address	Post Office Address <b>8601 Bradley Blvd.</b>	City <b>Bethesda</b>	State/Country <b>MD</b>	Zip Code <b>20817</b>
Full Name of Inventor 9	Last Name <b>AGARWAL</b>	First Name <b>Sunita</b>	Middle Name or Initial <b>K.</b>	
Residence & Citizenship	City <b>Gaithersburg</b>	State/Foreign Country <b>MD</b>	Country of Citizenship	
Post Office Address	Post Office Address <b>409 Midsummer Dr.</b>	City <b>Gaithersburg</b>	State/Country <b>MD</b>	Zip Code <b>20878</b>
Full Name of Inventor 10	Last Name <b>SPIEGEL</b>	First Name <b>Allen</b>	Middle Name or Initial <b>M.</b>	
Residence & Citizenship	City <b>Bethesda</b>	State/Foreign Country <b>MD</b>	Country of Citizenship	
Post Office Address	Post Office Address <b>7908 Radnor Road</b>	City <b>Bethesda</b>	State/Country <b>MD</b>	Zip Code <b>20817</b>
Full Name of Inventor 11	Last Name <b>BURNS</b>	First Name <b>A.</b>	Middle Name or Initial <b>Lee</b>	
Residence & Citizenship	City <b>Rockville</b>	State/Foreign Country <b>MD</b>	Country of Citizenship	
Post Office Address	Post Office Address <b>16632 Lescot Ter.</b>	City <b>Rockville</b>	State/Country <b>MD</b>	Zip Code <b>20853</b>
Full Name of Inventor 12	Last Name <b>MARX</b>	First Name <b>Stephen</b>	Middle Name or Initial <b>J.</b>	
Residence & Citizenship	City <b>Chevy Chase</b>	State/Foreign Country <b>MD</b>	Country of Citizenship	
Post Office Address	Post Office Address <b>5402 Trent St.</b>	City <b>Chevy Chase</b>	State/Country <b>MD</b>	Zip Code <b>20815</b>

L.D.  
2/29/00



Attorney Docket No. 015280-315100US  
DHHS Ref No. E-094-97/0

Full Name of Inventor 6	Last Name <b>DEBELENKO</b>	First Name Larisa	Middle Name or Initial V.	
Residence & Citizenship	City New York	State/Foreign Country NY	Country of Citizenship	
Post Office Address	Post Office Address 100 Haven Ave. Apt. 8P	City New York	State/Country NY	Zip Code 10032
Full Name of Inventor 7	Last Name <b>LUBENSKY</b>	First Name Irina	Middle Name or Initial A.	
Residence & Citizenship	City Silver Spring	State/Foreign Country MD	Country of Citizenship USA Silver Spring X	
Post Office Address	Post Office Address 1551 Hugo Circle	City Silver Spring	State/Country MD	Zip Code 20906
Full Name of Inventor 8	Last Name <b>LIOTTA</b>	First Name Lance	Middle Name or Initial A.	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship USA Bethesda X	
Post Office Address	Post Office Address 8601 Bradley Blvd.	City Bethesda	State/Country MD	Zip Code 20817
Full Name of Inventor 9	Last Name <b>AGARWAL</b>	First Name Sunita	Middle Name or Initial K.	
Residence & Citizenship	City Gaithersburg	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 409 Midsummer Dr.	City Gaithersburg	State/Country MD	Zip Code 20878
Full Name of Inventor 10	Last Name <b>SPIEGEL</b>	First Name Allen	Middle Name or Initial M.	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 7908 Radnor Road	City Bethesda	State/Country MD	Zip Code 20817
Full Name of Inventor 11	Last Name <b>BURNS</b>	First Name A.	Middle Name or Initial Lee	
Residence & Citizenship	City Rockville	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 16632 Lescot Tr.	City Rockville	State/Country MD	Zip Code 20853
Full Name of Inventor 12	Last Name <b>MARX</b>	First Name Stephen	Middle Name or Initial J.	
Residence & Citizenship	City Chevy Chase	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 5402 Trent St.	City Chevy Chase	State/Country MD	Zip Code 20815

Full Name of Inventor 6	Last Name <b>DEBELENKO</b>	First Name Larisa	Middle Name or Initial V.	
Residence & Citizenship	City New York	State/Foreign Country NY	Country of Citizenship	
Post Office Address	Post Office Address 100 Haven Ave. Apt. 8F	City New York	State/Country NY	Zip Code 10032
Full Name of Inventor 7	Last Name <b>LUBENSKY</b>	First Name Irina	Middle Name or Initial A.	
Residence & Citizenship	City Silver Spring	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 1551 Hugo Circle	City Silver Spring	State/Country MD	Zip Code 20906
Full Name of Inventor 8	Last Name <b>LIOTTA</b>	First Name Lance	Middle Name or Initial A.	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 8601 Bradley Blvd.	City Bethesda	State/Country MD	Zip Code 20817
Full Name of Inventor 9	Last Name <u>1-00</u> <del>AGARWAL</del>	First Name <u>Sunita</u>	Middle Name or Initial K.	
Residence & Citizenship	City <u>MD</u> <del>Gaithersburg</del>	State/Foreign Country MD	Country of Citizenship <u>INDIA</u> <u>2/8/00</u>	
Post Office Address	Post Office Address 409 Midsummer Dr.	City Gaithersburg	State/Country MD	Zip Code 20878
Full Name of Inventor 10	Last Name <u>10-00</u> <del>SPIEGEL</del>	First Name <u>Allen</u>	Middle Name or Initial M.	
Residence & Citizenship	City <u>MD</u> <del>Bethesda</del>	State/Foreign Country MD	Country of Citizenship <u>USA</u> <u>2/4/00</u>	
Post Office Address	Post Office Address 7908 Radnor Road	City Bethesda	State/Country MD	Zip Code 20817
Full Name of Inventor 11	Last Name <u>11-00</u> <del>BURNS</del>	First Name <u>A.</u>	Middle Name or Initial <u>Lee</u>	
Residence & Citizenship	City <u>MD</u> <del>Rockville</del>	State/Foreign Country MD	Country of Citizenship <u>USA</u> <u>2/4/00</u> <u>ALB</u>	
Post Office Address	Post Office Address 16632 Lescot Ter.	City Rockville	State/Country MD	Zip Code 20853
Full Name of Inventor 12	Last Name <u>12-00</u> <del>MARX</del>	First Name <u>Stephen</u>	Middle Name or Initial <u>J.</u>	
Residence & Citizenship	City <u>MD</u> <del>Chevy Chase</del>	State/Foreign Country MD	Country of Citizenship <u>USA</u> <u>2/4/00</u>	
Post Office Address	Post Office Address 5402 Trent St.	City Chevy Chase	State/Country MD	Zip Code 20815

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13-00

Full Name <sup>13</sup> of Inventor <sup>12</sup>	Last Name <u>ZHUANG</u>	First Name <u>Zhengping</u>	Middle Name or Initial	
Residence & Citizenship	City <u>Bethesda</u>	State/Foreign Country <u>MD</u>	Country of Citizenship <u>USA</u>	
Post Office Address	Post Office Address <u>9904 Pomona Dr.</u>	City <u>Bethesda</u>	State/Country <u>MD</u>	Zip Code <u>20897 20817</u> (28)

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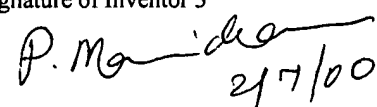
Signature of Inventor 1  Settara Chandrasekharappa	Signature of Inventor 2  Siradanahalle Guru	Signature of Inventor 3  Pachiappan Manickam
Date	Date	Date
Signature of Inventor 4  Francis S. Collins	Signature of Inventor 5  Michael R. Emmert-Buck	Signature of Inventor 6  Larisa V. Debelenko
Date	Date	Date
Signature of Inventor 7  Inna A. Lubensky	Signature of Inventor 8  Lance A. Liotta	Signature of Inventor 9  <u>S. Agarwal</u> Sunita K. Agarwal 2/8/00
Date		
Signature of Inventor 10  <u>Allen M. Spiegel</u> Allen M. Spiegel 2/4/00	Signature of Inventor 11  <u>A. Lee Burns</u> A. Lee Burns 2/4/00	Signature of Inventor 12  <u>Stephen J. Marx</u> Stephen J. Marx 2/4/00
Date		
Signature of Inventor 13  <u>Zhuang</u> Zhengping Zhuang 2/4/00	Signature of Inventor 14	Signature of Inventor 15

Full Name of Inventor 6	Last Name <b>DEBELENKO</b>	First Name Larisa	Middle Name or Initial V.	
Residence & Citizenship	City New York	State/Foreign Country NY	Country of Citizenship	
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Residence & Citizenship	City Silver Spring	State/Foreign Country MD	Country of Citizenship	
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Full Name of Inventor 8	Last Name <b>LIOTTA</b>	First Name Lance	Middle Name or Initial A.	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 8601 Bradley Blvd.	City Bethesda	State/Country MD	Zip Code 20817
Full Name of Inventor 9	Last Name <b>AGARWAL</b>	First Name Sunita	Middle Name or Initial K.	
Residence & Citizenship	City Gaithersburg	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 409 Midsummer Dr.	City Gaithersburg	State/Country MD	Zip Code 20878
Full Name of Inventor 10	Last Name <b>SPIEGEL</b>	First Name Allen	Middle Name or Initial M.	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 7908 Radnor Road	City Bethesda	State/Country MD	Zip Code 20817
Full Name of Inventor 11	Last Name <b>BURNS</b>	First Name A.	Middle Name or Initial Lee	
Residence & Citizenship	City Rockville	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 16632 Lescot Ter.	City Rockville	State/Country MD	Zip Code 20853
Full Name of Inventor 12	Last Name <b>MARX</b>	First Name Stephen	Middle Name or Initial J.	
Residence & Citizenship	City Chevy Chase	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 5402 Trent St.	City Chevy Chase	State/Country MD	Zip Code 20815

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Full Name of Inventor 12	Last Name <b>ZHUANG</b>	First Name Zhengping	Middle Name or Initial	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 9904 Pomona Dr.	City Bethesda	State/Country MD	Zip Code 20892

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18 of the United States Code, Section 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Settara Chandrasekharappa  Date	Signature of Inventor 2  Siradanahalle Guru  Date	Signature of Inventor 3   Pachiappan Manickam 2/7/00  Date
Signature of Inventor 4  Francis S. Collins  Date	Signature of Inventor 5  Michael R. Emmert-Buck  Date	Signature of Inventor 6  Larisa V. Debelenko  Date
Signature of Inventor 7  Inna A. Lubensky  Date	Signature of Inventor 8  Lance A. Liotta  Date	Signature of Inventor 9  Sunita K. Agarwal  Date
Signature of Inventor 10  Allen M. Spiegel  Date	Signature of Inventor 11  A. Lee Burns  Date	Signature of Inventor 12  Stephen J. Marx  Date
Signature of Inventor 13  Zhengping Zhuang  Date	Signature of Inventor 14    Date	Signature of Inventor 15    Date

SF 1045025 v1

Attorney Docket No. 015280-315100US  
DHHS Ref No. E-094-97/0

### DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: MEM1, THE GENE ASSOCIATED WITH MULTIPLE ENDOCRINE NEOPLASIA TYPE 1, MENIN POLYPEPTIDES AND USES THEREOF the specification of which    is attached hereto or X was filed on September 3, 1999 as a U.S. National Phase of PCT/US98/04258, received U.S. serial No. 09/380,337, and was amended on                      (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

#### Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119	
			Yes	No
			Yes	No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/040,269	March 5, 1997

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status		
		Patented	Pending	Abandoned
		Patented	Pending	Abandoned
		Patented	Pending	Abandoned
		Patented	Pending	Abandoned

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) of the Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Office of Technology Transfer, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Robert Benson, Reg. No. 33,612  
Steven M. Ferguson, Reg. No. 38,448  
James C. Haight, Reg. No. 25,588  
John P. Kim, Reg. No. 38,514

Susan S. Rucker, Reg. No. 35,762  
David R. Sadowski, Reg. No. 32,808  
Jack Spiegel, Reg. No. 34,477

Attorney Docket No. 015280-315100US  
DHHS Ref No. E-094-97/0

Full Name of Inventor 12	Last Name <b>ZHUANG</b>	First Name <b>Zhengping</b>	Middle Name or Initial	
Residence & Citizenship	City <b>Bethesda</b>	State/Foreign Country <b>MD</b>	Country of Citizenship	
Post Office Address	Post Office Address <b>9904 Pomona Dr.</b>	City <b>Bethesda</b>	State/Country <b>MD</b>	Zip Code <b>20892</b>

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Signature of Inventor 1  <b>Settara Chandrasekharappa</b>	Signature of Inventor 2  <b>Siradanahalle Guru</b>	Signature of Inventor 3  <b>Pachiappan Manickam</b>
Date	Date	Date
Signature of Inventor 4  <b>Francis S. Collins</b>	Signature of Inventor 5  <i>X Michael R. Emmert-Buck</i> <b>Michael R. Emmert-Buck</b>	Signature of Inventor 6  <b>Larisa V. Debclenko</b>
Date	Date <i>X 2/29/00</i>	Date
Signature of Inventor 7  <i>X Inna A. Lubensky</i> <b>Inna A. Lubensky</b>	Signature of Inventor 8  <i>X Larice A. Liotta</i> <b>Larice A. Liotta</b>	Signature of Inventor 9  <b>Sunita K. Agarwal</b>
Date <i>X 2-29-00</i>	Date <i>X 2-29-00</i>	
Signature of Inventor 10  <b>Allen M. Spiegel</b>	Signature of Inventor 11  <b>A. Lee Burns</b>	Signature of Inventor 12  <b>Stephen J. Marx</b>
Date		
Signature of Inventor 13  <b>Zhengping Zhuang</b>	Signature of Inventor 14	Signature of Inventor 15

SF 1045025 v1

Attorney Docket No. 015280-315100US  
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#### Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes      No
			Yes      No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/040,269	March 5, 1997

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Application No.	Date of Filing	Status
		Patented    Pending    Abandoned
		Patented    Pending    Abandoned
		Patented    Pending    Abandoned

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) of the Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Office of Technology Transfer, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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Steven M. Ferguson, Reg. No. 38,448  
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David R. Sadowski, Reg. No. 32,808  
Jack Spiegel, Reg. No. 34,477



Attorney Docket No. 015280-315100US  
DHHS Ref No. E-094-97/0

Send Correspondence to Appointed Associate Attorney or Agent Address: Kenneth A. Weber <b>TOWNSEND and TOWNSEND and CREW LLP</b> Two Embarcadero Center, 8th Floor San Francisco, CA 94111-3834	Direct Telephone Calls and Facsimiles to Appointed Associate Attorney or Agent:  Name: Kenneth A. Weber Reg. No. 31,677 Telephone: 415-576-0200 Fax: 415-576-0300
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Full Name of Inventor 1	Last Name <b>CHANDRASEKHARAPPA</b>	First Name Serrara	Middle Name or Initial	
Residence & Citizenship	City Gaithersburg	State/Foreign Country MD	Country of Citizenship IN	
Post Office Address	Post Office Address 8417 Mountain Laurel Lane	City Gaithersburg	State/Country MD	Zip Code 20879-1555
Full Name of Inventor 2	Last Name <b>GURU</b>	First Name Stradanahalli	Middle Name or Initial	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 3 Pooks Hill Road, Apt. #105	City Bethesda	State/Country MD	Zip Code 20814
Full Name of Inventor 3	Last Name <b>MANICKAM</b>	First Name Pachiappan	Middle Name or Initial	
Residence & Citizenship	City Huntsville	State/Foreign Country AL	Country of Citizenship	
Post Office Address	Post Office Address Waterford Square Apartments, 400 Breckenridge Drive, Apt. #3	City Huntsville	State/Country AL	Zip Code 35801
Full Name of Inventor 4	Last Name <b>COLLINS</b>	First Name Francis	Middle Name or Initial S.	
Residence & Citizenship	City Rockville	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 5908 Tudor Lane	City Rockville	State/Country MD	Zip Code 20852
Full Name of Inventor 5	Last Name <b>EMMERT-BUCK</b>	First Name Michael	Middle Name or Initial R.	
Residence & Citizenship	City Silver Spring	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 13620 Cedar Creek Lane	City Silver Spring	State/Country MD	Zip Code 20904

Attorney Docket No. 015280-315100US  
DHHS Ref No. E-094-97/0

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Full Name of Inventor 12	Last Name <b>ZHUANG</b>	First Name <b>Zhengping</b>	Middle Name or Initial	
Residence & Citizenship	City <b>Bethesda</b>	State/Foreign Country <b>MD</b>	Country of Citizenship	
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Date	Date	Date
Signature of Inventor 4  <b>Francis S. Collins</b>	Signature of Inventor 5  <b>Michael R. Emmert-Buck</b>	Signature of Inventor 6  <i>X Larisa Debelenko</i> <b>Larisa V. Debelenko</b>
Date	Date	Date <i>X 2/29/00</i>
Signature of Inventor 7  <b>Inna A. Lubensky</b>	Signature of Inventor 8  <b>Lance A. Liotta</b>	Signature of Inventor 9  <b>Sumita K. Agarwal</b>
Date		
Signature of Inventor 10  <b>Allen M. Spiegel</b>	Signature of Inventor 11  <b>A. Lee Burns</b>	Signature of Inventor 12  <b>Stephen J. Marx</b>
Date		
Signature of Inventor 13  <b>Zhengping Zhuang</b>	Signature of Inventor 14	Signature of Inventor 15

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My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: *MEN1*, THE GENE ASSOCIATED WITH MULTIPLE ENDOCRINE NEOPLASIA TYPE 1, MENIN POLYPEPTIDES AND USES THEREOF the specification of which    is attached hereto or X was filed on September 3, 1999 as a U.S. National Phase of PCT/US98/04258, received U.S. serial No. 09/380,337, and was amended on                      (if applicable).

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Application No.	Date of Filing	Status
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Steven M. Ferguson, Reg. No. 38,448  
James C. Haight, Reg. No. 25,588  
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David R. Sadowski, Reg. No. 32,808  
Jack Spiegel, Reg. No. 34,477

Send Correspondence to Appointed Associate Attorney or Agent Address: Kenneth A. Weber <b>TOWNSEND and CREW LLP</b> <b>Two Embarcadero Center, 8th Floor</b> <b>San Francisco, CA 94111-3834</b>	Direct Telephone Calls and Facsimiles to Appointed Associate Attorney or Agent:  <b>Name: Kenneth A. Weber</b> <b>Reg. No. 31,677</b> <b>Telephone: 415-576-0200</b> <b>Fax: 415-576-0300</b>
--	--

Full Name of Inventor 1	Last Name <b>CHANDRASEKHARAPPA</b>	First Name Settara	Middle Name or Initial	
Residence & Citizenship	City Gaithersburg	State/Foreign Country MD	Country of Citizenship IN	
Post Office Address	Post Office Address 8417 Mountain Laurel Lane	City Gaithersburg	State/Country MD	Zip Code 20879-1555
Full Name of Inventor 2	Last Name <b>GURU</b>	First Name Siradanahalli	Middle Name or Initial	
Residence & Citizenship	City Bethesda	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 3 Pooks Hill Road, Apt. #105	City Bethesda	State/Country MD	Zip Code 20814
Full Name of Inventor 3	Last Name <b>MANICKAM</b>	First Name Pachiappan	Middle Name or Initial	
Residence & Citizenship	City Huntsville	State/Foreign Country AL	Country of Citizenship	
Post Office Address	Post Office Address Waterford Square Apartments, 400 Breckenridge Drive, Apt. #3	City Huntsville	State/Country AL	Zip Code 35801
Full Name of Inventor 4	Last Name <b>COLLINS</b>	First Name Francis	Middle Name or Initial S.	
Residence & Citizenship	City Rockville	State/Foreign Country MD	Country of Citizenship	
Post Office Address	Post Office Address 5908 Tudor Lane	City Rockville	State/Country MD	Zip Code 20852
Full Name of Inventor 5	Last Name <b>EMMERT-BUCK</b>	First Name Michael	Middle Name or Initial R.	
Residence & Citizenship	City Silver Spring	State/Foreign Country MD	Country of Citizenship	
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